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 TITLE: Two Monohydroxy- $\alpha$ -Naphthoflavonols  
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GI For diagram(s), see printed CA Issue.

AB 4'-Methoxy- $\alpha$ -naphthoflavanone (I below) from 2-anisalaceto-1- naphthol, HCl and MeOH. Colorless needles, m. 148°. Isonitroso derivative, yellow needles, m. and decomposes 169-70°. It gives orange colors with cobalt mordants and yellow ones with mordants of uranium, cadmium and lead. 4'-Methoxy- $\alpha$ -naphthoflavanol, by hydrolysis of the preceding compound with AcOH and dilute H<sub>2</sub>SO<sub>4</sub>. Slender, yellow needles, m. 249°. It gives light yellow colors with aluminum mordants and a light green, intensely fluorescent solution with concentrate H<sub>2</sub>SO<sub>4</sub>. Sodium salt, yellow and sparingly soluble. Acetyl derivative, colorless interlaced needles, m. 196°. 4'-Hydroxy- $\alpha$ -naphthoflavanol (II), from the methoxy compound and HI. Pale yellow plates, m. 293°. It gives light yellow colors with aluminum mordants. Concentrate H<sub>2</sub>SO<sub>4</sub> dissolves it with a pale yellow color and an intense light green fluorescence; in aqueous NaOH the color is yellow with a greenish fluorescence. Diacetyl derivative, colorless needles, m. 181°. 3'-Methoxy-2-benzalaceto-1-naphthol, HOC<sub>10</sub>H<sub>6</sub>COCH:CHC<sub>6</sub>H<sub>4</sub>OMe, from m-methoxybenzaldehyde and 2-aceto-1-naphthol; orange-red needles, m. 115°. With concentrate H<sub>2</sub>SO<sub>4</sub> the crystals darken and give a red solution. 3'-Methoxy- $\alpha$ -naphthoflavanone, from the preceding compound and HCl. Colorless needles, m. 130°. Isonitroso derivative, yellow crystalline powder, m. and decomposes 151°. It gives a pale yellow solution with dilute aqueous NaOH and orange colors with cobalt mordants. 3'-Methoxy- $\alpha$ -naphthoflavanol, yellow needles, m. 185°. In concentrate H<sub>2</sub>SO<sub>4</sub>, its solution is light yellow. With aluminum mordants it dyes pale yellow. Sodium salt, yellow and sparingly soluble. Acetyl derivative, colorless needles, m. 165°. 3'-Hydroxy- $\alpha$ -naphthoflavanol, from the methoxy derivative and HI. Lustrous pale yellow prismatic needles with 1EtOH, m. 248°. It dyes pale yellow with aluminum mordants. In concentrate H<sub>2</sub>SO<sub>4</sub> the solution is pale yellow with a feeble greenish fluorescence. Sodium salt, slender yellow needles. In highly dilute solution it has a feeble greenish fluorescence.

IT 861550-15-4P, 7,8-Benzoflavanone, 3'-methoxy-, oxime

RL: PREP (Preparation)

(preparation of)

RN 861550-15-4 CAPLUS

CN 7,8-Benzoflavanone, 3'-methoxy-, oxime (1CI) (CA INDEX NAME)



